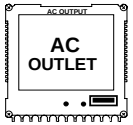
DC TO AC POWER INVERTER 150W-USB

DC12V or 24V to AC220V~240V Instruction Manual

Please read user manual before use.



USEFUL APPLICATIONS

RUN NOTEBOOK COMPUTERS, RADIOS, SMALL TVS,
VCRS, LAMPS, FANS, FAX, ... ETC.

SPECIFICATION

INPUT VOLTAGE RANGE : DC 10~15V (12V) // DC 20~30V (24V)
INPUT FULL LOAD CURRENT : 15A (12V) // 8A (24V)
STANDBY INPUT CURRENT : <0.4A (12V) // <0.3A (24V)
USB PORT : OUTPUT 5VDC (500mA MAX.)
OUTPUT VOLTAGE (AC) : 220V~240V
OUTPUT WAVEFORM : MODIFY SINEWAVE
OUTPUT FREQUENCY : 50Hz or 60Hz
CONTINUE OUTPUT POWER : 150W
PEAK OUTPUT POWER : 450W
EFFICIENCY : 90%
BATTERY LOW PRE-ALARM : 11 ± 0.5V (12V) // 22 ± 1V (24V)
BATTERY LOW SHUTDOWN : 10 ± 0.5V (12V) // 20 ± 1V (24V)
(WILL SHUTDOWN 6 SECOND LATER)
THERMAL PROTECT : 60 ± 5 (MICROCONTROLLER)
OVERLOAD PROTECT : YES (MICROCONTROLLER)
OUTPUT SHORT PROTECT : YES (MICROCONTROLLER)
BATTERY EX. 12V / 24V PROTECT : YES (MICROCONTROLLER)
BATTERY POLARITY PROTECT : YES (BY FUSE)
FUSE : 15A*1PC (12V) // 10A*1PC (24V)
DIMENTION (L*W*H) mm : 100*73*73
WEIGHT : 470g

TROUBLESHOOTING

IF THE INVERTER DOES NOT APPEAR TO BE FUNCTIONING PROPERLY, THERE ARE SEVERAL REASONS WHY THE INVERTER MAY NOT BE RESPONDING.

1) POOR CONTACT
***CLEAN CONTACT PARTS THOROUGHLY.**

2) RECEPTACVLE HAS NO POWER
***CHECK FUSE, REPLACE DAMAGED FUSE.**
***CHECK RECEPTACLE WIRING. REPAIR IF NECESSARY**

3) FUSE IS BLOWN
***THE FUSE IS LOCATED INSIDE THE DC PLUG. REPLACE FUSE WITH A FUSE OF EQUIVALENT VALUE.**

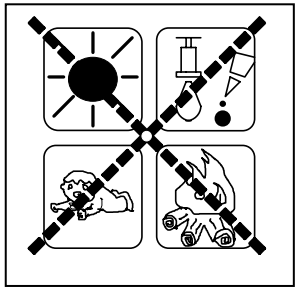
4) OVERLOAD CAUSED AC OUTPUT REDUCE
***REDUCE THE WATTAGE OF YOUR LOAD TO LOWER THAN 150 WATTS.**

5) THERMAL CAUSED AC OUTPUT REDUCE
***UNDER HEAVY LOADS FOR EXTENDED PERIODS OF TIME. THE AC INVERTER WILL REDUCE OUTPUT TO PREVENT DAMAGE TO EXCESS HEAT. IF THIS HAPPENS, PLASE PROCEED AS BELOW :**
(A) SWITCH OFF THE POWER SWITCH OF THIS INVERTER.
(B) DECREASE LOAD OF THIS MACHINE I. E. DISCONNECT SOME OF THE APPLIANCES OR WAIT UNTIL THIS INVERTER BECOME COOL.
(C) SWITCH ON THE POWER SWITCH OFF THIS INVERTER.

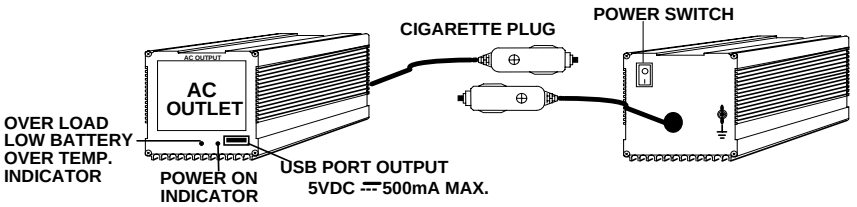
6) LOW-BATTERY SHUTDOWN
***RECHARGE YOUR BATTERY AND RESUME OPERATION.**

CAUTION

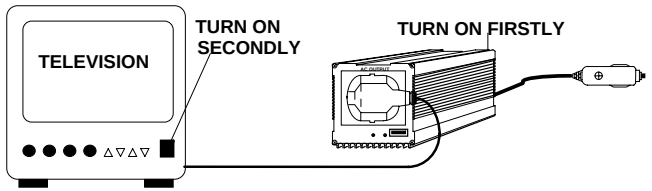
ALWAYS PLACE THE INVERTER IN AN ENVIRONMENT WHICH IS:



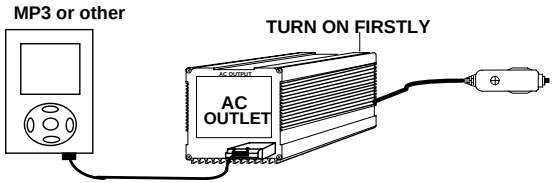
(A) WELL VENTILATED
(B) NOT EXPOSED TO DIRECT SUNLIGHT OR HEAT SOURCE
(C) OUT OF REACH FROM CHILDREN
(D) AWAY FROM WATER/MOISTURE, OIL OR GREASE
(E) AWAY FROM ANY FLAMMABLE SUBSTANCE



WHEN CONNECTED TO ANY APPLIANCE, BE SURE TO TURN ON INVERTER FIRST. AND THEN TURN ON THE POWER SWITCH OF THE APPLIANCE.

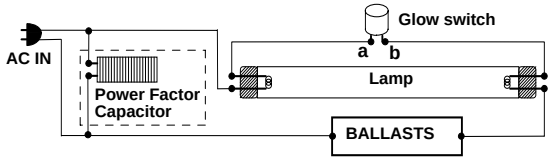


WHILE USING USB PORT: OUTPUT 5VDC (500mA MAX) FOR CHARGING, PLEASE TURN ON THE SWITCH OF THE INVERTER FIRST, THEN CONNECT THE USB WIRE TO THE ELECTRONIC APPLIANCE NEEDED TO BE CHARGED.

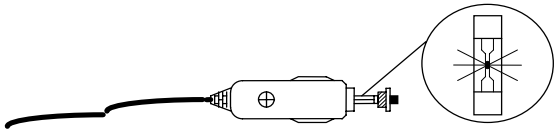


WARNING FLUORESCENT LAMP

DO NOT USE THIS DEVICE WITH FLUORESCENT LAMPS.

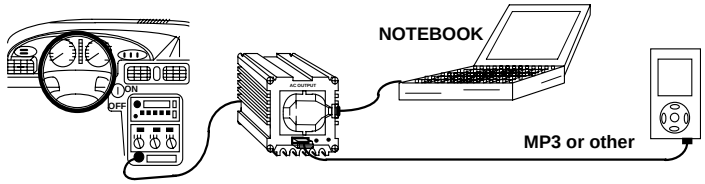


DURING OPERATION, WHEN THE POWER SWITCH IS ON, IF POWER ON NDICATOR IS NO LIGHTEDS. PLEASE CHECK THE FUSE IN THE CIGARETTE PLUG. IF THE FUSE IS SPOILT, FOR REPLACEMENT, USE THE SAME CURRENT FUSE.

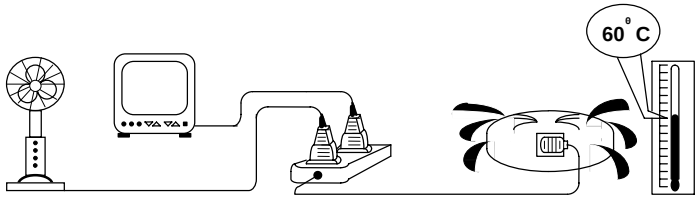


MAX : 15A (12V) // 10A (24V)

WHEN HEAR THE PRE-ALARM SOUND FOR LOW BATTERY, PLEASE RE-START THE CAR ENGINE TO MAKE IT WORK AGAIN.



IF THE TOTAL WATTS OF ELECTRICAL APPLIANCES EXCEEDS THE OUTPUT CAPACITY OF INVERTER. OR AFTER OPERATING FOR A PERIOD OF TIME. IF THE TEMPERATURE OF THE INVERTER REACHES 60 , THE INVERTER SHALL BE REDUCED AC OUTPUT BY THE PROTECTION CIRCUIT.



WARNING SIGNAL

Condition	Warning signal cycle	Shutdown signal cycle
Low battery alarm:	BI BI BI (pause)	BEE BEE BEE (pause)
Over heating alarm:	BI BI (pause)	BEE BEE (pause)
Over load alarm:	BI BI BI BI BI BI	Continuous tone
Note: BI is a short beep, and BEE is a longer beep.		